

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Continuation Reissue Application of:)	
)	
Uber, III et al.)	
)	Art Unit: 3737
Serial No. 09/545,582)	
)	Examiner: R. Smith
Filed: April 7, 2000)	
)	
For: Patient Infusion System for Use)	
With MRI)	

DECLARATION OF JOHN E. DICK JR. PURSUANT TO 37 C.F.R. § 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, John E Dick Jr., hereby declare that:

1. I am a Registered Radiographic Technologist with advanced certification in Magnetic Resonance Imaging (MR).
2. I am currently the full time lead Magnetic Resonance Imaging ("MRI") technologist and purchasing agent for West Mifflin Imaging. I am also an adjunct MRI/CT Physics instructor at the Community College for Allegheny County and lecturer on the subject.
3. I have 15 years of experience in the field of radiology, with 13 of those years in MRI and 2 in computed tomography.
4. While working at West Mifflin Imaging, I have arranged for the purchase of a Medrad Spectris Solaris injector and used the Spectris Solaris injector to inject patients with contrast medium in conjunction with MRI procedures.

5. My facility uses the Medrad Spectris Solaris injector to inject patients undergoing an MRI procedure with contrast media. The Spectris Solaris injector worked effectively to deliver contrast medium to patients in specifically programmed quantities during MRI procedures.

6. The Spectris Solaris was made up of several components:

a. Two components resided in the control room, which was outside of the shielded scan room. These components included the input device where an operator would program the injector.

b. Two other components resided in the shielded scan room. These components included the motors to drive the syringes and the injector head, which held two fluid syringes from which fluid could be injected.

c. The components in the control room were connected to the components inside the shielded scan room via a fiber optic cable through the MRI RF enclosure by a waveguide.

7. The use of Medrad's Spectris Solaris injector during MRI procedures did not create spurious electromagnetic interference that adversely affected the images obtained while the injector was being used. The images obtained by the MRI system while the Spectris Solaris injector was in operation did not include artifacts that typically result from such interference. Medrad's Spectris Solaris injector assisted our facility in making MR images that were diagnostically beneficial.

8. Also, when in use, the strong magnetic fields of the MRI imaging system did not adversely affect the operation of the Spectris Solaris injector. That is, the motors and other electronic components of Medrad's Spectris Solaris injector operated effectively while the MRI system was acquiring images.

9. To my knowledge, Medrad's Spectris Solaris injector was the first injector sold in the United States that could successfully operate in an MRI suite.

10. Medrad's Spectris Solaris injector, therefore, was commercially desirable because it operated effectively in an MRI suite – a harsh environment for electronic devices – without adversely affecting the sensitive MR imaging system and without being

adversely affected by the strong magnetic fields.

11. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: May 21, 2007



John E. Dick Jr. RT (R,MR)